Claims

What is claimed is:

[c1] A method for increasing the thermal stability of a well fluid comprising:
mixing an effective amount of a miscible amine in the well fluid, wherein the well fluid comprises a synthetic polymer.

[c2] The method of claim 1, wherein the miscible amine comprises an amine selected from the group consisting of primary, secondary and tertiary amines, and mixtures thereof.

[c3] The method of claim 1, wherein the miscible amine comprises about 0.2% to about 20% by weight of the well fluid.

[c4] The method of claim 3, wherein the miscible amine comprises about 0.6% to about 12% by weight of the well fluid.

[c5] The method of claim 3, wherein the synthetic polymer comprises about 0.3% to about 5% by weight of the well fluid.

[c6] The method of claim 4, wherein the synthetic polymer comprises about 0.6% to about 2.6% by weight of the well fluid.

[c7] The method of claim 1, wherein the synthetic polymer comprises polyethylene glycol.

[c8] The method of claim 1, wherein the miscible amine comprises triethanol amine.

[c9] A method for increasing the thermal stability of a well fluid comprising:
mixing about 0.2% to about 20% by weight of a miscible amine into the well fluid, wherein the well fluid comprises a synthetic polymer.

[c10] The method of claim 9, wherein the miscible amine comprises an amine selected from the group consisting of primary, secondary and tertiary amines, and mixtures thereof.

[c11] The method of claim 9, wherein the synthetic polymer comprises polyethylene glycol.

[c12] The method of claim 10, wherein the synthetic polymer comprises about 0.3% to about 5% by weight of the well fluid.

[c13] The method of claim 9, wherein the miscible amine comprises triethanol amine.

[c14] A thermally stable well fluid comprising:
a synthetic polymer; and
an effective amount of miscible amine.

[c15] The well fluid of claim 14, wherein the miscible amine comprises an amine selected from the group consisting of primary, secondary and tertiary amines, and mixtures thereof.

[c16] The well fluid of claim 14, wherein the synthetic polymer comprises polyethylene glycol.

[c17] The well fluid of claim 14, wherein the miscible amine comprises triethanol amine.

[c18] The well fluid of claim 14, wherein the miscible amine comprises about 0.2 % to about 20% by weight of the well fluid.

[c19] The well fluid of claim 18, wherein the miscible amine comprises about 0.6% to about 12% by weight of the well fluid.

[c20] The well fluid of claim 18, wherein the synthetic polymer comprises about 0.3% to about 5% by weight of the well fluid.

[c21] The well fluid of claim 19, wherein the synthetic polymer comprises about 0.6% to about 2.6% by weight of the well fluid.

[c22] A method of treating a well comprising:
injecting a well treating fluid into the well, wherein the well treating fluid comprises a synthetic polymer and an effective amount of a miscible amine.

[c23] The method of claim 22, wherein the miscible amine comprises an amine selected from the group consisting of primary, secondary and tertiary amines and mixtures thereof.

[c24] The method of claim 22, wherein the synthetic polymer comprises polyethylene glycol.

[c25] The method of claim 22, wherein the miscible amine comprises triethanol amine.

[c26] The method of claim 22, wherein the miscible amine comprises about 0.2% to about 20% by weight of the well treating fluid.

[c27] The method of claim 26, wherein the miscible amine comprises about 0.6% to about 12% by weight of the well treating fluid.

[c28] The method of claim 26, wherein the synthetic polymer comprises about 0.3% to about 5% by weight of the well treating fluid.

[C29] The method of claim 27, wherein the synthetic polymer comprises about 0.6% to about 2.6% by weight of the well treating fluid.